

KAPITANOV, R. A.

1964

DECEASED

c. '64

BLAZNIN, B.S., gornyy inzhener; ~~KAPITANOV, T.V., gornyy inzhener.~~

Mining system with movable, sectional timbering. Gor. Zhur. no.10:
18-23 0 '56. (MLRA 9:12)

(Mine timbering)

SKOCHINSKIY, A.A.; TERPIGORN, A.M.; SHENYAKOV, L.D.; AGOSHKOV, M.I.;
MEL'NIKOV, N.V.; BROZNIKOV, D.M.; YENIKHYEV, N.B.; NAZARCHIK, A.P.;
TERPOGOSOV, Z.A.; BARSUKOV, F.A.; SERGHEYEV, A.A.; PROTOPOPOV, D.D.;
SUDOPLATOV, A.P.; BARON, L.I.; MAN'KOVSKIY, G.I.; POMORTSEV, A.D.;
DEMIDYUK, G.P.; KAPITANOV, T.V.; MOLCHANOV, P.V.; MAKSIMOVA, Ye.F.;
GRIBIN, A.A.; BARONENKOV, A.V.; SINDAROVSKIY, N.S.; BOGOMOLOV, V.I.;
KHODOV, L.V.; MOSKAL'KOV, Ye.F.

Aleksandr Vasil'evich Kovashenikov; an obituary. Gor. zhur. no.12:
72 D '57.

(MIRA 11:1)
(Kovashenkov, Aleksandr Vasil'evich, d. 1957)

KAPITANOV, T. V.

127-58-5-27/30

AUTHORS: Kulakov, I.K., Mining Engineer (Sibgiprozoloto); Latskiy, V.I., and Mingalev, Yu.A., Mining Engineers (Unipromed')

TITLE: Apropos of the Article by A.I. Golomolzin, T.V. Kapitanov et al "To Reduce Unnecessary Quantities of Capital Mine Workings" (Na stat'yu A.I. Golomolzina, T.V. Kapitanova i drugikh "Sokratit' izlishniye ob'yemy kapital'nykh gornyykh vyrabotok")

PERIODICAL: Gornyy Zhurnal, 1958, Nr 5, pp 78-79 (USSR)

ABSTRACT: This is a review of two comments on the above-mentioned article which was published in Gornyy Zhurnal, Nr 6, for 1957.

AVAILABLE: Library of Congress

Card 1/1 1. Mines-Operation

LEONENKO, I.A., prof., red.; SHELEST, L.A., kand. tekhn. nauk,
red.; BUNIN, A.I., retsenzent; BURSHTYIN, P.S.,
retsenzent; KAPITANOV, T.V., retsenzent; KUZ'MIN, A.V.,
retsenzent; TARASOV, L.Ya., otv. red.; KOVALEV, I.A.,
otv. red.

[Development of mineral resources in Eastern Siberia] Raz-
rabotka mestorozhdenii poleznykh iskopaemykh Vostochnoi
Sibiri. Moskva, Nedra, 1964. 382 p. (MIRA 17:12)

RAMODIN, V.N., inzh.; CHUPRIKOV, S.A., inzh.; KAPITANOV, V.D., inzh.

Results of the tests of a 10-ton capacity, two-cantilever gantry
crane. Vest. TSNII MPS 23 no.1:48-53 '64. (MIRA 17:4)

KAPITANOV, Ye.A.

Chamber shoe disinfection in epidermophytosis and Trichophyton
rubrum infection. Vest.derm.i ven. 34 no.3:33-37 My-Je '60.

(RINGWORM)

(SHOES—DISINFESTION)

(MIRA 13:10)

KAPITANOV, Ye.A.

Effect of ACTH and prednisolone on the immunological reactivity following BCG vaccination. Probl. tub. 41 no.3: 22-26'63. (MIRA 16:9)

1. Iz kafedry mikrobiologii (zav. - prof. S.I.Gel'berg) Grodnenskogo meditsinskogo instituta.
(ACTH) (PEGNADIENEDIONE)

KAPITANOV, Ye.A.

Effect of adrenal cortex preparations and ACTH on experimental
vaccinal antitubercular immunity. Probl. tub. 42 no.8:54-59 '64.
(MIRA 18:12)

1. Kafedra mikrobiologii (zav. - prof. S.I.Gel'berg) Grodnenskogo
meditsinskogo instituta.

KARIMOV, R. D.

Dissertation: "The effective Organization of the Construction of workers' Settlements with Few-Storeyed Dwellings." Cand Techn Sci, Moscow Engineering Economics Institute imeni Sergo Ordzhonikidze, 26 Jun 54. (Vechernnyaya Moskva, Moscow, 17 Jun 54)

SO: SUM 318, 23 Dec 1954

KAPITANOV, Yu.D., kand. tekhn. nauk, dots.; VARENIK, Ye.I., doktor tekhn. nauk, prof., red.; KAR'YANOV, L.S., tekhn. red.

[Fundamentals of building; masonry and facing work] Osnovy stroitel'nogo proizvodstva; kamennye i oblitsovochnye raboty. Uchebnoe posobie po kursu "Tekhnologiya stroitel'nogo proizvodstva." Moskva, 1962. 174 p. . (MIRA 16:11)

1. Moscow. Inzhenerno-ekonomicheskiy institut. 2. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Varenik).

(Masonry) (Building--Details)

KAPITANOV, Yuriy Dmitriyevich, dots., kand. tekhn. nauk;
MAKEYEV, Valentin Nikolayevich, dots., kand. tekhn.
nauk; SAVEL'YEV, Petr Petrovich, dots., kand. ekon.
nauk; VARENIK, Yevgeniy Ivanovich, prof., doktor tekhn.
nauk; CHERNOV, T.P., prof., retsenzents; ZOLOTNITSKIY,
N.D., prof., doktor tekhn. nauk, retsenzents; POPOVA,
N.N., red.

[Technology of the construction industry] Tekhnologiya
stroitel'nogo proizvodstva. Moskva, Vysshaya shkola,
1965. 586 p. (MIRA 18:7)

1. Zaveduyushchiy kafedroy tekhnologii stroitel'nogo
proizvodstva Moskovskogo inzhenerno-stroitel'nogo insti-
tuta im. V.V.Kuybysheva (for Chernov).

KAPITANOV, Yu. T. Cand Tech Sci -- (diss) "Application of radiometrical methods for the study of the distribution of uranium, thorium, radium and potassium in granites^a of the Tyrny-Auz, Sadon, and Dar'yal' intrusive complexes." Prospecting Mos. 1957. 12 pp (Min of Higher Education USSR. Mos Geol ~~Survey~~ Inst im S. Ordzhonikidze), 110 copies (KL, 4-58, 83).

KAPITANOV, Yu.T.; SERDYUKOVA, A.S.

Experimental use of α -particle count methods for determining
the absolute geological age of rocks [with summary in English].
Geokhimiia no.7:615-620 '57. (MIRA 11:1)

1. Institut geokhimi i analiticheskoy khimii im. V.I. Vernadskogo
AN SSSR, Moskva.
(Nuclear geophysics) (Geological time)

KAPITANOV Yu. T.

AUTHORS: Serdyukova, A. S., Kapitanov, Yu. T.

75-1-14/26

TITLE: The Application of Radiometric Methods for the Simultaneous Separate Determination of the Content of Uranium, Thorium, Radium and Potassium in Acid Igneous Rocks (Primeneniye radiometricheskikh metodov dlya odnovremennogo razdel'nogo opredeleniya sodержaniya urana, toriya, radiya i kaliya v kislykh izverzhennykh porodakh)

PERIODICAL: Zhurnal Analiticheskoy Khimii, 1958, Vol. 13, Nr 1, pp. 88-94 (USSR)

ABSTRACT: For the separate determination of the content of uranium, thorium, radium and potassium in acid igneous rocks the authors used a combination of α -, β -, γ - and γ -discrimination measurement. As a result they obtained the following set of equations:

$$A_{\alpha} = \alpha_1 U + \alpha_2 Ra + \alpha_3 Th$$

$$A_{\beta} = \beta_1 U + \beta_2 Ra + \beta_3 Th + \beta_4 K$$

$$A_{\gamma} = \gamma_1 U + \gamma_2 Ra + \gamma_3 Th + \gamma_4 K$$

$$A_{\gamma_2} = Ra + \gamma_1' Th + \gamma_2' K$$

Card 1/5

The Application of Radiometric Methods for the Simultaneous Separate Determination of the Content of Uranium, Thorium, Radium and Potassium in Acid Igneous Rocks 75-1-14/26

In these equations A_α , A_β , A_{γ_1} and A_{γ_2} denote the activities of the samples to be investigated, expressed in equivalent percents of uranium in equilibrium. $\alpha_1, \alpha_2, \alpha_3, \beta_1, \beta_2, \beta_3, \beta_4, \gamma_1, \gamma_2, \gamma_3, \gamma_4, \gamma_1'$ and γ_2' denote the equivalents of uranium in equilibrium for uranium, the radium group, thorium and potassium according to the α -, β -, γ - and γ -discrimination measurements. This set of equations can be solved by means of determinants which then yield the formulae for the determination of every individual element. The coefficients of the above-mentioned set of equations can be determined in a theoretical way or, still better, experimentally. In order to obtain exact values in the experimental determination, the standard mixtures must satisfy the following requirements:

- 1) Equilibrium with the decay products and absence of other radioactive elements in the radioactive initial material.
- 2) A low radiation coefficient (not above 10%) of the uranium and thorium compounds in equilibrium.
- 3) A uniform composition of the substances used for measuring α -radiation and a uni-

Card 2/5

The Application of Radiometric Methods for the Simultaneous
Separate Determination of the Content of Uranium, Thorium,
Radium and Potassium in Acid Igneous Rocks

75-1-14/26

form composition (or one that is in keeping with density and the effective ordinal number) in the measurement of the β - and γ -radiation. The composition of the substances may be chosen ad lib. in the determination of the coefficients, but it must be uniform for all mixtures. 4) A uniform distribution of the radioactive elements in the prepared standard mixtures. - The values of the coefficients are practically independent of the content of radioactive substances in the standard mixtures. For increasing statistical accuracy, however, it is expedient to use mixtures with high contents of radioactive elements (up to 0.1% of the radioactive initial element). The coefficients determined in this way permitted the elaboration of a method for the separate determination of uranium, thorium, radium and potassium in acid igneous rocks. The investigation of artificial mixtures with a weight of 140 g and a content of $6.10^{-4}\%$ U, $18.10^{-4}\%$ Th, $2.10^{-10}\%$ Ra and 9% K showed satisfactory results. These concentrations are lower by almost one order of magnitude than the corresponding concentrations in the granites for the analysis of which

Card 3/5

The Application of Radiometric Methods for the Simultaneous Separate Determination of the Content of Uranium, Thorium, Radium and Potassium in Acid Igneous Rocks 75-1-14/26

the determination was worked out. For the successful employment of the method of the separate determination of the content of uranium, thorium, radium and potassium in rocks the proper choice of the standard mixtures and the taking into account of all factors that exercise an influence on the results of measurement are extremely important. The separate determination of low contents of uranium, thorium, radium and potassium can be performed by means of any apparatus satisfying the following requirements: a) high sensitivity, b) sufficient stability in use in order to warrant constancy of the coefficients during the long duration of the measurement. There are 1 figure, 5 tables, and 4 references, 3 of which are Slavic.

ASSOCIATION: Institute for Geochemistry and Analytical Chemistry imeni V.I. Vernadskiy AS USSR, Moscow (Institut Geokhimii i analiticheskoy khimii im. V. I. Vernadskogo AN SSSR, Moskva)

SUBMITTED: April 18, 1957
Card 4/5

The Application of Radiometric Methods for the Simultaneous
Separate Determination of the Content of Uranium, Thorium,
Radium and Potassium in Acid Igneous Rocks

75-1-14/26

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1. Uranium - Determination
2. Thorium - Determination
3. Radium - Determination
4. Potassium - Determination

Card 5/5

SERDYUKOVA, A.S.; KAPITANOV, Yu.T.

Effect of chemical composition of substances on the intensity of
 β -radiation. Izv. vuz. ucheb. zav.; geol. i razv. no.3:111-122
Mr '58. (MIRA 11:10)

1. Moskovskiy geologo-razvedochnyy institut im. S. Ordzhonikidze.
(Beta rays)

KAPITANOV, Yu.T.; SERDYUKOVA, A.S.; GORBUSHINA, L.V.; KORENKOVA, A.P.

Determination of the actual speed of the a-count in the precipitation of aerosols in FPP-15-1,7 and FPP-25-3,3 filters. Izv.vys. ucheb.zav.; geol.i razv. 3 no.4:118-125 Ap '60. (MIRA 13:7)


1. Moskovskiy geologorazvedochnyy institut im. S.Ordzhonikidze.
(Aerosols)

S/081/62/000/011/027/057
E071/E192

AUTHORS: Kapitanov, Yu.T., Serdyukova, A.S., and Korenkov, A.P.

TITLE: A rapid method of determining the concentration of radium A and the ratios between the decomposition products of radon in air.

PERIODICAL: Referativnyy zhurnal, Khimiya, no.11, 1962, 370, abstract 11 I 338, (Izv. vyssh. uchebn. zavedeniy. Geol. i razvedka, no.11, 1961, 106-114).

TEXT: Making two counts and using a calibrated transparent sheet (the method of its construction is given) or the table (given) and a slide rule, the method permits the determination of the concentration of RaA and the ratio of $RaA : RaB : RaC$ in air, in 13 minutes with an accuracy sufficient for practical purposes ($\pm 10\%$ at a level of $1 - 10^{-10}$ curie/litre). The sheet, as well as the table, were calculated for 2 minutes sampling and for the time intervals of measuring α -activity of the filter of 2.5 - 3.5 minutes - A(3), and 9.5 - 10.5 minutes - A(10). 

[Abstractor's note: Complete translation.]

Card 1/1

GORBUSHINA, L.V.; VERCHEBA, A.O.; SERDYUKOVA, A.S.; KAPITANOV, Yu.T.

State and behavior of radioactive emanations and products of
their decay in the air. Izv.vys.ucheb.zav.;geol.i razv. 3
no.2:140-144 F '60. (MIRA 15:5)

1. Moskovskiy geologorazvedochnyy institut imeni Ordzhonikidze.
(Radioactive substances--Decay)

KAPITANOV, Yu.T.; SERDYUKOVA, A.S.

Calculation of the volume of air, necessary for the ventilation of uranium mines. Izv.vys.ucheb.zav.; geol.i razv 5 no.6:112-120 Je '62. (MIRA 15:7)

1. Moskovskiy geologorazvedochnyy institut imeni S. Ordzhonikidze.
(Mine ventilation) (Uranium)

KAPITANOV, Yu.T.; SERDYUKOVA, A.S.; KORENKOV, A.P.; LEBEDEV, Yu.A.

Absorption of the short-lived products of radon decomposition from turbulent air flow by the surfaces of mine rocks.
Izv. vys. ucheb. zav.; geol. i razv. 7 no.1:126-136 Ja '64
(MIRA 18:2)

1. Moskovskiy geologorazvedochnyy institut imeni Ordzhonikidze.

KAPITANOVA, I.I.

~~SECRET~~
"Dictionary of geographical names." M.S. Bodnarskii. Reviewed by
I.I. Kapitanova. Izv.AN Turk.SSR no.6:88-91 '55. (MLBA 9:5)
(Geography--Dictionaries) (Bodnarskii, Nitrofan Stepanovich, 1870-1953)

NIKITINA, L.I.; KAPITONOVA, K.I.; SOKOLOVSKAYA, S.M.

Questions received in the Central Scientific Research Institute
of Pharmacy. Apt.delo 14 no.2:92-93 Mr-Ap '65.

(MIRA 1941)

BRASLAVSKIY, Aleksandr Petrovich; SHERGINA, Yevdoka Borisovna;
Printimail uchastkiy: KAPITANOVA, N.P.; NURGALIYEV, S.N.;
CHURAYEV, V.F.; KOROTVIKH, G.V.; KRASHOV, B.A.; KOVALEVA,
I.F., red.

[Water losses by evaporation from reservoirs of the arid
zone of Kazakhstan, based on the example of the Kengir
Reservoir] Pateri vodu na isparenie iz vod khranilishch
zasushivoy zony Kazakhstana, na primere Kengirskogo vo-
dokhranilishcha. Alma-Ata, Nauka, 1985. 205 p.
(MIRA 18:10)

BRASLAVSKIY, Aleksandr Petrovich; SHERGINA, Klavdiya Borisovna; Prinimali
uchastie: ~~KAPITANOVA, M.P.~~; NURGALIYEV, S.N.; CHURAYEV, V.F.;
KOROTKIKH, G.V.; KRASNOV, B.A.; KOVALEVA, I.P., red.

[Water losses by evaporation from reservoirs of the arid zone
of Kazakhstan; based on the example of the Kengir Reservoir]
Poteri vody na isparenie iz vodokhranilishch zasushlivoi zony
Kazakhstana; na primere Kengirskogo vodokhranilishcha. Alma-Ata,
Nauka, 1965. 225 p. (MIRA 18:10)

ACC NR: AT7003838

SOURCE CODE: UR/3169/66/000/018/0094/0098

AUTHOR: Popov, I.I.; Kapitanova, S.A.

ORG: Institute of Physics of the Earth, AN SSSR (Institut fiziki Zemli AN SSSR)

TITLE: Azimuthal dependence of group velocities of Rayleigh surface seismic waves based on observations in Simferopol'

SOURCE: AN UkrSSR. Geo izicheskiy sbornik, no. 18, 1966.
Geofizicheskiye issledovaniya stroyeniya zemnoy kory (Geophysical investigations of the structure of the earth's crust), 94-98

TOPIC TAGS: earth crust, seismic wave propagation, upper mantle, earthquake, Rayleigh wave, velocity profiling, group velocity dispersion, *SHOCK WAVE VELOCITY*

ABSTRACT: The results of observations of group velocity dispersion of Rayleigh surface waves conducted in the period 1957—1964 by the "Simferopol'" seismic station are presented. A standard SVK [Kirnos vertical system seismograph] was used in conjunction with a special long-period vertical seismograph to record 53 earthquakes whose foci were located in the Earth's crust and whose epicentral distances ranged from 3500 to 16,800 km. The magnitude of the earthquakes varied in the range $5 \frac{1}{4} < M < 7 \frac{1}{2}$, the periods of the dispersed waves were in the 10—100-sec interval, and

Card 1/3

UDC: none

ATC NR. AT7003838

the group velocities ranged from 2.7 to 4.0 km/sec. The azimuths from Simferopol' to the epicenters of most events were in the 0 to 90° interval, i.e., originating in Eurasia. The technique of calculating the azimuthal dependence of group velocities by periods made it possible to determine the direction of the wave paths corresponding to extremal velocity values, thereby indicating the generation and propagation of surface waves from the block regions having the greatest crustal thickness or - in the case of longer period waves - of the upper mantle. Fig. 1

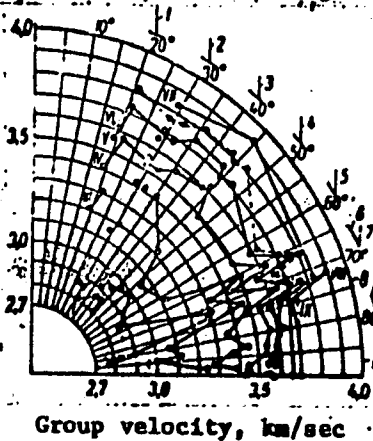


Fig. 1. Azimuthal diagram of the group velocities of Rayleigh waves

- 1 - East European plain, Arctic Ocean, Bering Sea, Aleutian Islands; 2 - Urals, Middle Siberian plateau, Verkhoyansk range, Sea of Okhotsk, Kamchatka;
- 3 - Stanovoy range, Sea of Okhotsk, Kurile Islands; 4 - Sayany, Khingan, Sea of Japan, Japan; 5 - Altay, Gobi desert, Yellow Sea, Japan; 6 - Gobi, Pacific Ocean, Solomon Islands, New Hebrides;
- 7 - Tien Shan, Gobi, East China Sea, Japan (south); 8 - Tien Shan, Pacific Ocean, Melanesia, Kermadec basin;
- 9 - Tien Shan, Northwest China; 10 - Pamirs, Tibet, Himalayas, South China Sea (Indonesia).

Cord 2/3

ACC NR: AT7003838

is an azimuthal diagram of the group velocities. It shows that in the case of azimuths approaching 66° the mean velocities decrease for all periods, owing probably to the presence of such mountain chains as the Tien Shan along the wave path. At azimuths of about $72-74^\circ$, the velocities increase because of the influence of the thin crust of the Gobi desert region. It was established that the method of studying the velocity dispersion of surface seismic waves over extended paths, though it yields only mean values of the parameters of the Earth's crust for great distances, nonetheless is sensitive to differences in the structure of the layered medium in different directions from the point of observation. Velocity differences as a function of azimuth are most readily discernable in relatively shorter-period surface waves ($T = 10-35$ sec), owing to the dispersing influence of the Earth's crust. This influence decreases as the period increases, until the influence of the upper mantle predominates. At this point, velocity differences are no longer dependent on azimuth, indicating the greater homogeneity of the upper mantle in comparison with the crust. [DM]

SUB CODE: 08/ SUBM DATE: 10May65/ ORIG REF: 003/ OTH REF: 002/
ATD PRESS: 5114

Card 3/3

Kapitanova, T. A.

KUPERMAN, F.M.; KZHANOVA, Ye.I.; KAPITANOVA, T.A.; ZHAKIPOVA, A.P.;
LYUBIVAYA, N.S.; LYUBIVYY, V.M.

Relation of plant developments to organogenesis of corn inflorescence.
Vest.Mosk.un. no.9:121-133 S '55. (MLBA 9:1)
(Corn (Maize))

KAPITANOVA, T.A.

Development of male and female inflorescences in corn under different light conditions. Nauch.dokl.vys.shkoly; biol. nauki no.1:182-186 '59. (MIRA 12:5)

1. Rekomendovana kafedroy darvinizma Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.
(CORN (MAIZE)) (INFLORESCENCE) (PLANTS, EFFECT OF LIGHT ON)

KAPITANOVA, T.A.; KAPLAN, S.Ye.; BOCHEVER, A.M., red.; ANTONOVA, H.M.,
khudosh.-tekhn.red.

[Agricultural specialists must have practical books; index of
literature] Knigu - v pomoshch' spetsialistu sel'skogo
khozisistva na proizvodstve; ukazatel' literatury. Moskva,
Sel'khozgiz, 1961. 139 p. (MIRA 14:4)

1. Moscow. Tsentral'naya nauchnaya sel'skokhozyaystvennaya
biblioteka.
(Bibliography--Agriculture)

USSR/Cultivated Plants - Potatoes. Vegetables. Melons. etc.

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15640

Author : T.S. Kapitanova

Inst : Kuban Agricultural Institute.

Title : A New Method of Raising Radish Seeds.
(Novyy sposob vyrashchivaniya semyan redisa).

Orig Pub : Sb. stud. nauchn. rabot. Kubansk. s.-kh. in-t, 1956,
(1957). vyp. 1, 83-87.

Abstract : According to the research of the department of vegetable raising of the Kuban Agricultural Institute the cultivation of radish seeds in the southern rayons with a yield boost of up to 200% was obtained when the radishes were sown in open ground without subsequent root transplanting.

Card 1/1

84

KAPETANOVIC, S.; KURT, H.

Essential oil obtained from helichrysum flowers in Hercegovina. p. 13.

BILTEN DOKUMENTACIJE. TEHNIKA SAOBRACAJNIH SREDSTAVA. (Društvo hemičara i tehnologa NR Bosne i Hercegovine. GLASNIK) Sarajevo, Yugoslavia. Vol. 7, 1958.

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960.

Uncl.

KAPETANOVIC, S.; KURT, H.

Contribution to the knowledge of etherial oil obtained from junipers. p. 19.

BILTEN DOKUMENTACIJE. TEHNIKA SAOBRAKAJNIH SREDSTAVA. (Društvo hemicara i tehnologa NR Bosne i Hercegovine. GLASNIK) Sarajevo, Yugoslavia. Vol. 7, 1958.

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960.

Uncl.

KAPITANOVSKIY, I. M.

Electric railroad cars of 23.6 meter length. Elek. i topl. tiaga
no. 4:44 Ap '57. (MIRA 10:6)

1. Starshiy inzhener-konstruktor Rishskogo vagonostroitel'nogo
zavoda.

(Railroads--Cars)

Kapitanovskiy L N.

ALEKSEYEV, Aleksandr Petrovich; KAPITANOVSKIY, Lev Nikolayevich; TASTEVAN, Yevgeniy Mmundoich; CHEZNIK, Nikolay Ivanovich; SHPOLYANSKIY, Mikhail Maumovich; YERMOLAYEV, M.P., inzh., retsenzent; VOSKRESENSKIY, N.N., inzh., red.; TIKHANOV, A.Ya., tekhn.red.

[All-metal streetcars; design, manufacture, and operation] TSel'no-metallicheskiy tramvaynyi vagon; konstruktziya, tekhnologiya, proizvodstva i ekspluatatsiya. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit. lit-ry, 1958. 287 p. (MIRA 11:7)
(Streetcars)

KAPITANOVSKIY, L.N.; UTKIN, V.G., starshiy inzh.

ER10 electric train. Elekt.i tepl. tiaga 5 no.10:24-26 0 '61.
(MIRA 14:10)

1. Nachal'nik eksperimental'no-konstrukorskogo byuro Rzhskogo
vagonostroitel'nogo zavoda (for Kapitanovskiy). 2. Proyektnyy
otdel Rzhskogo vagonostroitel'nogo zavoda (for Utkin).
(Railroad motorcars)

KAPITANOVSKIY, Ye.I. (Moskva)

Struggle of Bolsheviks before the Revolution for the new type
of pharmacy. Apt.delo 3 no.3:55-57 My-Je '54. (MIRA 7:6)
(PHARMACY, history,
Russia)

KAPITANOVSKIY, Ye.I. (Moskva)

Petrograd pharmacists during the Great October Socialist Revolution.
Apt.delo 6 no.6:64-68 N-D '57. (MIRA 10:12)

(PHARMACISTS)

(RUSSIA--REVOLUTION, 1917-1921)

KAPITANOVSKIY, Y.I.

Participation of Moscow pharmacists in the 1905 revolution.
Apt.delo 8 no.1:80-85 Ja-F '59. (MIRA 12:2)
(MOSCOW--PHARMACISTS)
(MOSCOW--REVOLUTION OF 1905)

MAZUR, O.E., inzh.; YASINSKIY, S.I. [IAsyns'kyi, S.I.], mekhanik;
DZYAKAN, I.P., brigadir traktornoy brigady; DONDRATYUK, D.G.
[Kondratiuk, D.H.], mekhanik; STASYUK, G.V. [Stasiuk, H.V.],
mekhanik; KAPITANOY, P.S.

Our discussions. Mekh. sil'. hosp. 12 no.9:22-23 8 '61.
(MIRA 14:11)

(Agricultural machinery—Maintenance and repair)

TSYRKIN, Mikhail Isaakovich; KAPITANSKIY, Vil' Moiseyevich; PETROV, P.P.,
kand. tekhn. nauk, retsenzent; RAPOPORT, L.I., kand. tekhn. nauk,
retsenzent; LEVIN, M.I., kand. tekhn. nauk, nauchnyy red.; APTEK-
MAN, M.A., red.; TSAL, R.K., tekhn. red.

[Remote control systems for main marine diesel engines] Sistemy di-
statsionnogo upravleniya glavnymi sudovymi dizeliami. Leningrad,
Gos. soiuзное izd-vo sudostroit. promyshl., 1961. 245 p.

(MIRA 14:11)

(Remote control) (Marine diesel engines—Water)

MAROS, T.; NEBEL, L.; MESTER, T.; KAPITANY, A.; SZENTKIRALYI, A.

Effects of decortication and deconnection (largactil treatment) on the estrus cycle of white rats. Kiserletes orvostud. 10 no.4:405-410 Aug 58.

1. Orvostudományi és Gyógyászati Felsőoktatási Intézet Anatómiai és Sebészeti Műtettani Tanszéke, Marosvásárhely (Targu-Mures) Romania.

(ESTRUS CYCLE, physiol.

eff. of decortication & prolonged chlorpromazine admin.
in rats (Hun))

(CEREBRAL CORTEX, physiol.

eff. of decortication on estrus cycle in rats (Hun))

(CHLORPROMAZINE, eff.

prolonged admin. on estrus cycle in rats (Hun))

RUMANIA / Pharmacology, Toxicology, Tranquilizers. V

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 94160

Authors : Nebol, Laszlo; Kapitany, Andaras; Mester, Tibor.

Inst : Not given

Title : The Influence of Hibernation on the Processes
Observed During Experimental Affection of Tis-
sus. I. The Changes on Tissue of the Affected
Intestine Loop Under the Effect of Largactil.

Orig Pub : Rev. med. (RPR), 1957, 3, No. 4, 17-22

Abstract : One ml of 0,1% histamino solution was injected
into the artery of the loop of the small intes-
tines of dogs. During the 5-7 days before and
after the operation, the animals received 5 mg/
kg of largactil (I) daily. Diffused peritoni-
tis, inflammation, hyperemia, and reddish-brown
colouring of the intestine loop were noted in

Card 1/2

KAPITANTY, F.; HANZMANN, P. ; KOLLAR, M.

Final report on the work of the committee for the "Investigation of the Possibilities of Natural Quick Drying.

p. 156 (Faipar) Vol. 7, no. 4, Sept. 1957, Budapest, Hungary

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

KAPITANY, Ferenc, fomernek

"What does the furniture industry require from the industry
producing basic materials?" Faipar 12 no.9:261-263 S '62.

1. Angyalfoldi Butorgyar.

KAPITANY, F.

"Problems of supplying skilled workers in the furniture industry."

p. 231 (Faipar) Vol. 7, no. 5, Oct. 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

KAPITANY, F.

KAPITANY, F. What I have seen at the Vienna International Fair. p. 227.

Vol. 5, No. 12, Dec. 1955.

FAIRAR.

TECHNOLOGY

Budapest, Hungary

See: East European Accession, Vol. 5, No. 5, May 1956

KAPITANYUK, S.P. (Kiyev); GONCHAROV, N.Ye., kand. tekhn. nauk (Kiyev)

Transport the crops in due time and without losses. Zhel. dor.
transp. 47 no.8:15-19 Ag '65. (MIRA 18:7)

1. Zmestitel' nachal'nika Yugo-Zapadnoy dorogi (for Kapitanyuk).

KAPITANYUK, S.P. (Kiyev); GONCHAROV, N.Ye., kand. tekhn. nauk (Kiyev)

New potentials for the increase of the productive capacity of locomotives. Zhel. dor. transp. 46 no.8:26-29 Ag '64.

(MIRA 17:11)

1. Zamestitel' nachal'nika Yugo-Zapadnoy dorogi (for Kapitanyuk).

KAPITEL'MAN, V. I.

PA 37/49T33

USSR/Engineering
Machinery
Steel - Heat Treatment

Jan 48

"Speed Machining of Tempered Steel by Hard-Alloy
Tools," V. I. Kapitell'man, $\frac{1}{2}$ p

"Stand 1 Instrument" No 6

High-speed machining is used at a machine-tool
plant in Gork'y for manufacture of sleeves 300 mm
in diameter and 200 mm long. Sleeves are heat
treated and outer surface would normally have been
ground. Due to acute shortage of external grinders,
however, sleeves are turned in a DP300 lathe

37/49T33

USSR/Engineering (Contd)

Jan 48

using hard-alloy tools. Describes procedure in
detail, with sketch of tool. Output is twice
that obtained by grinding, and finish is almost
as good.

Subject : USSR/Engineering AID P - 5043
Card 1/1 Pub. 103 - 14/22
Authors : Oleynik, V. and V.I. Kapitel'man
Title : High speed milling of large steel plates
Periodical : Stan. 1 instr., 4, 40-41, Ap 1956
Abstract : For machining larger plates, e.g. 80x150x1050 or 60x1100x2180 mm, a special milling cutter 1130 mm in diameter and weighing 200 kilograms was designed and used in the 6662 model plano-milling machine manufactured by the Gor'kiy Milling Machine Plant. The authors give a concise description of the cutter, illustrating it with 3 drawings and 1 table.
Institution : As above
Submitted : No date

KAPITEL'MAN, V.I.

High-speed milling of stainless steel. Vest.mash. 36 no.11:42-43
N°56. (MIRA 10:1)

(Steel, Stainless) (Milling machines)

PONOMAREV, V.N.; KAPITANOV, V.I.

Magnetometers based on the optical pumping principle in
pairs of alkali metals. Geofiz. prib. no.9:3-8 '61.

(Magnetometer)

(MIRA 15:11)

KUCHEL, O.; KANDRAC, M.; KAPITOLA, J.; DUBOVSKY, J.; OBRDA, K.; NEVSIMAL, O.

Some new views on hypokalemic muscular paralysis. Cas.lek.cesk 99
no.52:1609-1616 23 D '60.

1. III interni klinika a Laborator pro endokrinologii a metabolismus
Fakulty vseobecneho lekarstvi v Praze, prednosta akademik J. Charvat.
Neurologicka klinika a laborator pro patofysiologii nervoveho systemu
Fakulty vseobecneho lekarstvi v Praze, prednosta akademik K. Henner.

(PARALYSIS blood) (POTASSIUM blood)

KAPITOLA, J.; KUCHEL, O.

Magnesium in the erythrocytes. Cesk.fysiol. 9 no.3:240-241 My '60.

1. III interni klinika fak. vscob. lek. KU, Praha.
(MAGNESIUM blood)
(ERYTHROCYTES chem)

Kapitola, J.

Country: Czechoslovakia

Academic Degree: Dr.

No III Clinic of Internal Medicine (III vnitřní klinika) of the Faculty of
Affiliation: General Medicine (Všeobecná lékařství), of Charles University (XU
[Karlova univerzita]), Prague. Head: academician Josef CHADWAT.
Source: Právní, Vnitřní lékařství, No 4, Apr 61, pp 370-383

Data: "Proteins in the Plasma and the Erythrocytes of Patients with Liver Cirrhosis."

Co-authors:

DEJONK, A. No III Clinic of Internal Medicine, etc.

KAPITOLA, J.

KAPITOLA, J.
NOVAK, E.

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: Central Biochemical Laboratory (Ustredni biochemicka laborator
FM I /not identified/; Director: J. HRABANE, MD.

Source: Prague, Vnitřní Lekarství, Vol VII, No 5, 1961, pages 525-529.

Data: "A Contribution to the Relation Between Magnesium and Cholesterol."

Co-authors:

KUCHEL, O., /presumably/ Third Internal Clinic (III. interní
klinika), Faculty of General Medicine (Fakulta
všeobecného lékařství); Director: Academician J.
Charvat.

KAPITOLA, J., /presumably/ Third Internal Clinic, Faculty of
General Medicine.

070 901603

DVORAK, Ladislav; JIRANKOVA, Jarmila; KAPITOLA, Jiri; technicka spoluprace:
PUCHYNGEROVA, J.

Thyrotoxic cardiopathy. -II. Hemodynamic study; Acta univ. carol.
[med.] no.7:867-877 '61.

1. III. interni klinika fakulty vseobecneho lekarstvi University
Karlovy v Praze, prednosta akademik J. Charvat;
(HYPERTHYROIDISM physiol) (CARDIOVASCULAR SYSTEM physiol)

KAPITOLA, J.; BLEHA, O.; SCHULLEROVA, M.; DIENSTBIER, Z.

15-minute registration of the accumulation of I-131 by the thyroid gland in the diagnosis of thyrotoxicosis. Cas.lek.cesk 101 no.2:12-15 5 Ja '62.

1. III interni křimika KU v Praze, prednosta akademik J. Charvat.
Biofyzikalni ustav KU v Praze, prednosta doc. dr. Z. Dienstbier.

(HYPERTHYROIDISM diag) (IODINE radioactive)

SILINKOVA-MALKOVA, Eva; DVORAK, Ladislav; KOLBEL, Frantisek; KAPITOLA, Jiri

Pulmonary hypertension in mitral defects in the roentgenological picture. Cas. lek. cesk. 101 no.40:1196-1200 5 0 '62.

1. III interni klinika fakulty vseobecneho lekarstvi KU v Praze,
prednosta akademik J. Charvat.
(HYPERTENSION PULMONARY) (MITRAL STENOSIS)

KUCHEL, O.; HORKY, K.; JIRANKOVA, J.; KAPITOLA, J.

Endocrinological aspects of the potassium depletion syndrome.
Sborn. lek. 65 no.6:169-178 Je '63.

1. III interni klinika fakulty vseobecneho lekarstvi University
Karlovy v Praze, prednosta akademik J. Charvat.

(POTASSIUM DEFICIENCY) (HYPERALDOSTERONISM)
(SPIRONOLACTONE) (ALDOSTERONE ANTAGONISTS)
(PROGESTERONE) (HEPARIN) (OXYTOCIN)
(LIVER CIRRHOSIS) (ENDOCRINE GLANDS)
(PTERINS) (DIURETICS)

SCHREIBER, V.; KMENTOVA, V.; KAPITOLA, J.; KNEŠLOVA, V.; SEBESTIK, V.

Determination of thyroid gland function in rats and guinea pigs in vivo with radioiodine. Cesk. fysiolo. 12 no. 6: 465-468 N° 63.

1. Laborator pro endokrinologii a metabolismus, fak. vseob. lek. KU, Ustav hematologie a krevni transfuze, Praha.

*

KAPITOLA, J.; KUCHEL, O.

Relation of magnesium to the effect of thyroid hormones on tissues. Sborn. lek. 66 no. 1: 26-31 Ja'64.

1. III. interni klinika fakulty vseobecneho lekarstvi Univ. Karlovy v Praze; prednosta: akademik J. Charvat.

*

SCHREIBER, V.; RYBAK, M.; KOCI, J.; ECKERTOVA, A.; FRANC, Z.; JIRGL, V.
KMENTOVA, V.; KAPITOLA, J.; SEBESTIK, V.; KRESLOVA, V.

Hypothalamic factor releasing thyrotropin (TRF). Acta Univ.
Carol. [med.] (Praha) 10: suppl. 17:105-110 '63

1. Laborator pro endokrinologii a metabolismus, fakulty vse-
obecneho lekarstvi University Karlovy v Praze (reditel: akade-
mik Josef Charvat); Ustav hematologie a krevni transfuze (reditel:
prof. MUDr. J. Horejsi) a Vyskumny ustav pro farmacii a bio-
chemii (reditel: dr. inz. O. Nemecek).

SOBRA, J.; KOLBEL, F.; KAPITOLA, J.; PROCHAZKA, B.; SEDLAKOVA, E.; SULC, M.

Genealogical study of familial hypercholesterolemic xanthomatosis.
Acta univ. Carol. [med] (Praha): Suppl. 18: 165-169 '64.

1. III. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta: akademik prof. dr. J. Charvat); IV. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta: prof. dr. M. Fucik) a Angiologicka laborator fakulty vseobecneho lekarstvi University Karlovy v Praze (reditel: prof. dr. B. Prusik).

KAPITOLA, Jiri

Remarks on the measurement of radioactivity of the thyroid gland.
Vnitřní lek. 11 no.9:878-883 S '65.

1. III. vnitřní klinika fakulty všeobecného lékařství Karlovy
university v Praze (prednosta akademik Josef Charvat).

KAPITOLA, J.; BLEHA, O.; SCHÜLLEROVA, M.; Technická spolupráce BLAHOVCOVA, A.;
HLAVATA, E.

Concentration of I-131 in normal and abnormal thyroid glands.
Sborn. lek. 67 no.10:308-312 O '65.

1. Laborator pro endokrinologii a metabolismus, III. interní
klinika fakulty všeobecného lékařství University Karlovy v
Praze (prednosta akademik J. Charvat).

KAPITOLA, J.; SCHÜLLEROVA, M.

Secondary influences on the accumulation of radioactive iodine
in the thyroid gland. Cas. lek. Cesk. 105 no.2:Lek. ved. zahr. 1:
1-6 14 Ja '66.

1. Laborator pro endokrinologii a metabolismus III. interni
kliniky fakulty vseobecneho lekarstvi Karlovy University v
Praze (prednosta akademik J. Charvat).

KAPITONENKO, S., nauchnyy sotrudnik; UZLOVA, S., ispolnyayushchiy
obyazannosti dotsenta; SVESHNIKOVA, N., kand. biolog. nauk

From practices in the use of poisonous chemicals. Zashch.
rast. ot vred. i bol. 10 no.7:21-2 '65. (MIRA 18:10)

1. Minskaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo
instituta zashchity rasteniy (for Kapitonenko). 2. Dnepro-
petrovskiy sel'skokhozyaystvennyy institut i Opornyy punkt
Vsesoyuznogo nauchno-issledovatel'skogo instituta zashchity
rasteniy, Moskva (for Uzlova, Sveshnikova).

KAPITANOV, A.

USSR/Cultivated Plants - Fodder.

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15669

Author : A. Kapitanov

Inst :

Title : Paying More Attention to the Seed Raising of Perennial
Grasses.
(Usilit' vnimaniye semonovodstvu mnogoletnikh trav).

Orig Pub : Tatarstan avyl khuzhalygy, 1957, No 5, 29-33.

Abstract : No abstract.

Card 1/1

160

KAPITONOV, A.

Beautifying towns and workers' villages in Moscow Province. Zhil.-
kom. khoz. ll no.2:3-5 F '61. (MIRA 14:5)

1. Zaveduyushchiy Moskovskim oblastnym otделom kommunal'nogo
khozyaystva.

(Moscow Province—Municipal services)

KAPITONOV, A.

There is an improvement in public service facilities in the vicinity of Moscow. Zhil.-kom.khoz. 12 no.7'3, 6 J1 '62. (MIRA 16:5)

1. Zaveduyushchiy otdelom kommunal'nogo khozyaystva Ispolnitel'nogo komiteta Moskovskogo oblastnogo Soveta deputatov trudyashchikhaya.
(Moscow Province—Municipal services)

KAPITONOV, A.A., dotsent.

Extending the cultivation of winter wheat to fields of the collective farms of Tatarstan. Uch.sap.Kas.un. 113 no.1:25-40 '53.
(Tatar A.S.S.d.--Wheat) (MIRA 10:3)

KAPITONOV, A.A.

Effect of mineral fertilizers on millet yield. Uch.sop.Kas.un.
114 no.1:55-68 '54. (MIRA 10:3)

1. Kafedra Agromonii.
(Tatar A.S.S.R.—Millet) (Fertilizers and manures)

ALEKSANDROV, M.T., red.; ~~CHERZKIN~~, N.A., red.; KAPITONOV, A.G., red.;
STRAKHOVA, M.I., red.; KOZHEVNIKOVA, V.A., red.; CHEREMISOV, M.F.,
tekh.n.red.

[Kuibyshev Province; its history and economy] Kuibyshevskaya oblast';
istoriko-ekonomicheskii ocherk. [Kuibyshev] Kuibyshevskoe knizhnoe
izd-vo, 1957. 494 p. (MIRA 11:4)
(Kuibyshev Province)

L 13052-63

AT/IJP(C)

EWI(1)/EWI(k)/BDS/EEC(b)-2 AFFTC/ASD/ESD-3 Pz-4

ACCESSION NR: AT3002999

S/2927/62/000/000/0152/0176

AUTHOR: Kapitonov, A. I.; Tuchkevich, V. M.; Chelnokov, V. Ye.

TITLE: Investigation of the current-voltage characteristics of diffusion electron-hole junctions in silicon [Report the All-Union Conference on Semiconductor Devices, held in Tashkent from 2 to 7 October 1961]

SOURCE: Elektronno-dy*rochny*ye of perekhody* v poluprovodnikakh. Tashkent, Izd-vo AN UzSSR, 1962, 152-176

TOPIC TAGS: semiconductor, silicon p-n junction, diffusion silicon p-n junction

ABSTRACT: An extensive experimental investigation and comparisons of its results with existing theories are reported in the article. Current-voltage characteristics of silicon "sun batteries" studied by the authors in 1957 did not agree with the Shockley's "classical theory" (Bell Syst. Techn. J., 28, July, 1949); nor did it agree with the improved theory by C. T. Sah, R. Noyce, and W. Shockley (Proc. IRE, 9, 1957). A new method for manufacturing power silicon rectifiers by diffusing B into n-type Si was developed. The diffusion was conducted in air at high temperature. Resulting diodes with a 3.14-sq-cm p-n junction area passed about 1,000 amp of average rectified current (water cooling) and had a breakdown voltage

Card 1/3

L 13052-63

ACCESSION NR: AF3002999

of 2,000 v. In 1962, power h-v diffusion Si rectifiers for 200 amp (air-cooled) and 350 amp (water-cooled), at 700 v were set in lot production. The following experiments are described in the article. Effects of applied reverse voltage on the capacitance and the width of space-charge region were determined. The reverse branch of the current-voltage characteristic was studied and interpreted in terms of space-charge-generated and recombination currents; also effects of junction environment (coating, etching, dry air, aging, kerosine, oil) on the current-voltage characteristic were investigated. The forward branch of the current-voltage characteristic was studied in detail: at low and medium voltages and at high injection levels; also effects of temperature were investigated. As the current-voltage relations in a Si p-n junction could not be fully explained by any existing theory, further experiments involved testing a diode, remodeling it into a photocell, testing the latter, remodeling it back into diode, and testing again. The "anomalous behavior" of the current-voltage characteristic is explained by the properties of its working surface. Finally, breakdown conditions of Si diodes were studied: effect of source Si resistivity on the breakdown voltage, effect of temperature on the current and voltage at which the current-voltage characteristic collapses, and effect of temperature on the reverse branch of the current-voltage characteristic. It was found that the thermal breakdown which usually occurs in Si p-n junctions is due to a "weak spot" on the surface of the

Card 2/3

L 13052-63

2

ACCESSION NR: AT3002999

junction; photographs and an oscillogram of the breakdown are submitted.
"Investigation of capacitance of the diffusion p-n junctions in question were carried out by A. A. Lebedev in our laboratory." Orig. art. has: 21 figures, 59 formulas, and 2 tables.

ASSOCIATION: Akademiya nauk SSSR (Academy of Sciences SSSR) Akademiya nauk
Uzbekskoy SSR (Academy of Sciences SSSR) Tashkentskiy gosudarstvennyy
universitet (Tashkent State University)

SUBMITTED: 00

DATE ACQ: 15 May 63

ENCL: 00

SUB CODE: 00

NO REF SOV: 006

OTHER: 006

Card 3/3

SONIN, M.; KAPITONOV, B.

Role of secondary schools in the training of qualified
personnel. Sots.trud 4 no.9:18-26 8 '59. (MIRA 13:1)
(Technical education)

KAPITONOV, B.; ZAKHAROV, A.

"Rates and proportions of socialist reproduction of the means of
production" by A.I. Notkin. Reviewed by B.Kapitonov. Vop. ekon. no.
5:118-122 My '62. (MIRA 15:6)
(Economics) (Notkin, A.I.)

KASITSKIY, I.; MANEVICH, Ye.; ZVEREV, A.; KAPUSTIN, Ye.;
NEMCHINOV, V., akademik; VOROB'YEVA, A.; YEVSTAF'YEV, G.;
SHAKHURIN, A.; KOSYACHENKO, G.; PLOTNIKOV, K.; AL'TER, L.;
ROTSHTEYN, L.; SPIRIDONOVA, N.; MASLOVA, N.; RUSANOV, Ye.;
KAPITONOV, B.; KULIYEV, T.; GATOVSKIY, L.

Problems of the economic stimulation of enterprises.
Vop. ekon. no.11:87-142 N '62. (MIRA 15:11)

1. Komitet Vsesoyuznogo soveta nauchno-tekhnicheskikh
obshchestv po ekonomike i organizatsii proizvodstva
(for Kasitskiy). 2. Institut ekonomiki AN SSSR for
Manivich, Zverev, Vorob'yeva, Yevstaf'yev, Shakhurin,
Plotnikov, Maslova, Rusanov, Kapitonov). 3. Nauchno-
issledovatel'skiy institut truda (for Kapustin).
4. Nauchno-issledovatel'skiy finansovyy institut (for
Kosyachenko). 5. Nauchno-issledovatel'skiy ekonomicheskiy
institut Gosudarstvennyy nauchno-ekonomicheskogo soveta
Soveta Ministrov SSSR (for Al'ter).

(Continued on next card)

KASITSKIY, I. — (continued) Card 2.

6. Gosudarstvennyy nauchno-ekonomicheskiy sovet Soveta Ministrov SSSR (for Rotshteyn).
7. Moskovskiy gosudarstvennyy universitet (for Spiridonova).
8. Azerbaydzhanskiy gosudarstvennyy universitet imeni S.M. Kirova (for Kuliyeu).
9. Predsedatel' Nauchnogo soveta po khozyaystvennomu raschetu i material'nomu stimulirovaniyu proizvodstva, chlen-korrespondent AN SSSR (for Gatovskiy).
 - (Industrial management)
 - (Incentives in industry)

KAPITONOV, F.A. (Leningrad)

Experimental problems in chemistry. Khim. v shkole 9 no.4:34-39
Jl-Ag '54. (MIRA 7:8)
(Chemistry--Problems, exercises, etc.)

SKORODUMOV, N.A.; KAPITONOV, G.Ye.

~~From practice organizing tourist excursions with upper-grade students. Geog.v shkole 22 no.3:62-63 My-Je '59.~~

(MIRA 12:11).

1. Shakhovskaya shkola Moskovskoy oblasti.
(Caucasus--School excursions)

KAPITONOV, I.; STEPANOV, A., red.; GOL'DSHTEYN, L., red.; ANTONOV, V.,
tech. red.

[For high quality of production] Za vysokoe kachestvo produktii.
Kuibyshevskoe knishnoe izd-vo, 1953. 34 p. (MIRA 12:3)

1. Sekretar' tsakhovoy partiynoy organizatsii zavoda "Avtotrakto-
redetal'" (for Kapitonov).

(Quality control)

MULTANOVISKI, B. [Multanovskiy, B.] (Blagoveshchensk, SSSR); KAPITONOV, I.
(Blagoveshchensk, SSSR)

Gravitational field, and movement in it; weight and weightlessness.
Mat 1 fiz Bulg 7 no.6:16-25 N-D '64.

L 46300-66 EMT(d)/EMT(m)/EMP(f)/T-2

ACC NR: AP6021980

(N)

SOURCE CODE: UR/0308/66/000/003/0030/0031

AUTHOR: Kapitonov, I. (Junior research associate); Korniyenko, Yu. (Senior mechanic)

ORG: [Kapitonov] OVIMU

10

TITLE: Controlling the load of main marine diesels

13

SOURCE: Morskoy flot, no. 3, 1966, 30-31

TOPIC TAGS: diesel engine, marine engine, marine equipment, marine engineering

ABSTRACT: A method is proposed for controlling the load of main marine diesels based on setting up consecutive ratios between the velocity of the boat and the shaft speed of the engine. The speed of the vessel is given as v_1 while the engine rpm is designated by n_1 . If ship velocity and engine speed vary, reaching values of v_2 and n_2 , then $(v_1/n_2 - v_2/n_1) < 0$ shows a reduction in external resistance so that the power of the engine and velocity of the vessel may be increased, while if $(v_1/n_1 - v_2/n_2) > 0$, then the resistance of the vessel has increased and the engine is overloaded. When $v_1/n_1 = v_2/n_2$, engine operation should be watched. It is difficult at present for the mechanic on duty to detect engine overload, as Soviet vessels are not equipped with speed indicators or rudder aximeters. It is recommended that these instruments be included in the engine rooms of ships now being designed. The Department of Automation of Diesel and Gas Turbine Units at the Odessa Higher Engineering Naval College has developed a

Card 1/2

UDC: 621.436.001.4

L 46306-66

ACC NR: AP6021980

test computer which can determine the relative load level of the main engine from data on the relative vessel speed and engine rpm. The proposed engine control method was checked out operationally on the seagoing tug "Gordelivvy" and on mass-produced ships of the "Bezhitsa" type with satisfactory results. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: none

15
Card 2/2

KAPITONOV, I.F.; FRIDBERG, I.M.

Adapting ZIS-585 dump trucks for transporting raw materials for
hydrolysis. Gidreliis.1 lesekhiu.prom. 9 no.6:25 '56. (MIRA 9:10)

1.Bobruyskiy gidreliisnyy saved.
(Motortrucks)

L 41308-66 EWT(m)/T/EWP(t)/ETI IJP(c) JH/JD

ACC NR: AP6019636 (A, N) SOURCE CODE: UR/0018/66/030/002/0378/0382

AUTHOR: Ishkhanov, B.S.; Kapitonov, I.M.; Shevchenko, V.G.; Yur'yev, B.A. 42 B

ORG: none

TITLE: Photoprotons from magnesium /Report, Fifteenth Annual Conference on Nuclear Spectroscopy and Nuclear Structure, held at Minsk, 25 January to 2 February 1965/

SOURCE: AN SSSR, Izvestiya. Seriya fizicheskaya. v. 30, no. 2, 1966, 378-382

TOPIC TAGS: nuclear reaction, nuclear cross section, magnesium, gamma interaction, gamma ray absorption, proton, proton emission

ABSTRACT: The authors have measured the energy and angular distributions of protons ejected from a 9.2 mg/cm^2 target of 99.9% pure magnesium of the natural isotopic composition by 23 and 34 MeV bremsstrahlung from a 35 MeV betatron and have determined the total $\text{Mg}^{24}(\gamma, p)$ cross section as a function of γ -ray energy in order to obtain data for comparison with theory on the giant dipole resonance in nuclei between C^{12} and O^{16} , for which "particle-hole" calculations based on the shell model are known to give a satisfactory description of the photodisintegration process, and Ca^{40} , for which similar calculations fail to account for a number of features of the process. The energy and angular distributions of the photoprotons were determined with 400 micron thick nuclear emulsions. The total cross section as a function of γ -ray energy was calculated by the method of Penfold and Leiss from yield curves measured with

Card 1/2

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scintillation spectrometers, using a 12.2 mg/cm^2 target. The angular distributions of the photoprotons with energies below 6.7 MeV were practically isotropic, indicating the participation in the photodisintegration process of a number of levels with different orbital angular momenta. The energy distribution of the photoprotons ejected by 23 MeV bremsstrahlung did not differ greatly from the distribution found by M.E.Toms and W.E. Stephens (Phys.Rev. 82, 709 (1951)), using 22.5 MeV bremsstrahlung, and by J.Yamamuro (J. Phys.Soc.Japan, 18, 11 (1961)), using 21.5 MeV bremsstrahlung. The (γ, p) cross section as a function of photon energy differed considerably from the cross sections measured by K.Shoda, K.Abe, T.Ishizuka, N.Kawamura, and by M.Kimura (J. Phys.Soc. Japan, 17, 735 (1962)); it was in better agreement with the (γ, n) cross section of J.Miller, C.Schul, G.Tomas, and C.Tzara (Preprint.Centre d'Etudes Nucleaires de Saclay, 1963) and the absorption cross section of B.S.Dolbilkin, V.A.Zapevalov, V.I.Korin, L.Ye.Lazereva, and F.A.Nikolayev (Conf. Rend. Congr. Internat. Phys.Nucl.Paris, 1964, vol. 2, 1060, Paris, 1964). The integrated (γ, p) cross section was 180 mb MeV; when that is added to the integrated (γ, n) cross section of Miller et al. (loc.cit.), the sum is 265 mb MeV, which may be compared with the value of 360 mb MeV given by the dipole sum rule. The authors thank N.N.Balamatov for assistance with the work. Orig. art. has: 5 figures and 1 table.

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TITLE: Producing the Novikov Gears by Hot Rolling ✓

PERIODICAL: Vestnik mashinostroyeniya, 1960, No. 7, pp. 46 - 49

TEXT: The described experiments were undertaken to find out if the point-contact Novikov gears could be generated by hot rolling process used already in the industry for conventional involute profile gears. The load capacity of Novikov gears produced by cutting has been studied at the Gear Department of TsNIITM-ASH, and therefore same gear dimensions were used in the experiments with hot rolling to compare mechanical properties. TsNIITMASH used special milling cutters for Novikov pinion and gear wheel (Figs. 1 and 2, respectively), with different tooth contour arc radii. The hot rolling LKEMM-58 (TsKEMM-58) machine is shown in a photo (Fig. 4) with a gear blank installed between the bottom (indexing) rollers. Rolling on long blanks with subsequent cutting into single gears (as is practiced in rolling involute gears) was not possible because of slipping of the blank on the standard indexing pinion. Slipping caused either a wrong

Card 1/2